



AuScope

AN ORGANISATION FOR A NATIONAL
EARTH SCIENCE INFRASTRUCTURE PROGRAM



CSIRO

“Building Clients for the AuScope Spatial Information Services Stack (SiSS)”

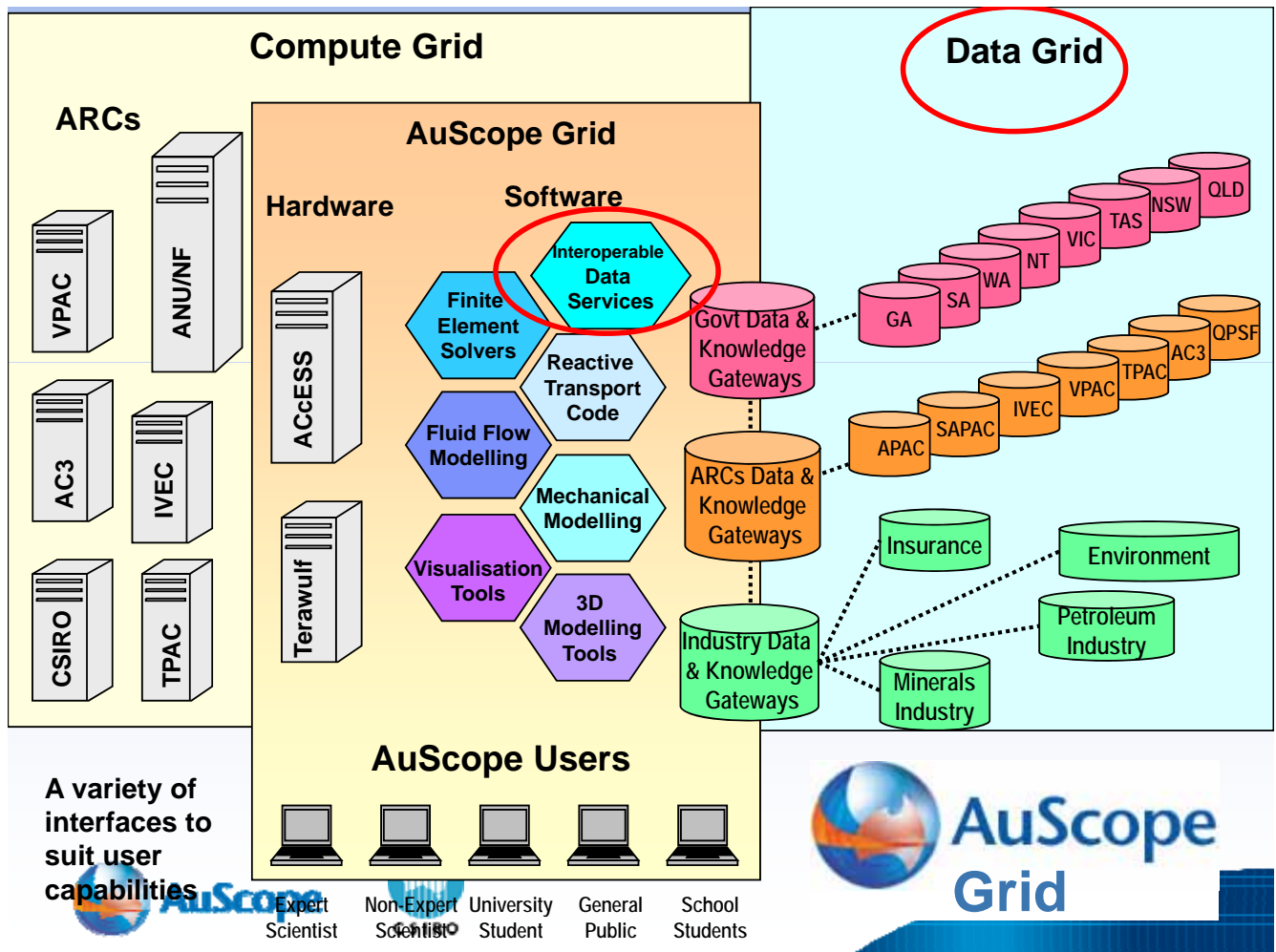
AuScope Grid Information Services Architecture

Ryan Fraser, Robert Woodcock, Mathew Wyatt
AuScope Grid (CSIRO)

AuScope Grid

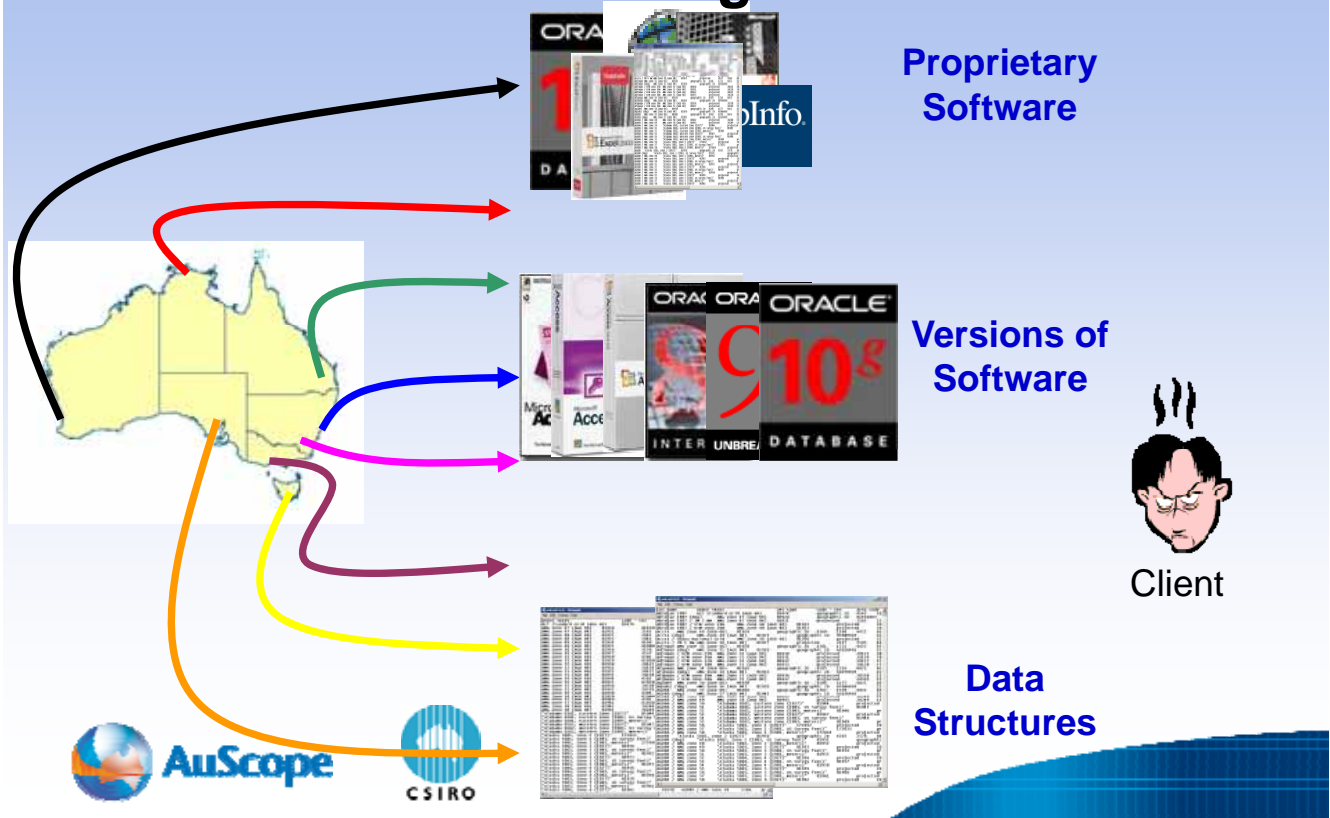
- What is AuScope Grid?
- Charged with delivering software infrastructure to enable Geoscience Community to have easy, interoperable access to data, informational and computational resources
- Establishing governance and sustainability of services
- Delivering solutions to research and government organisations





Why is this necessary?

Part of our problem...data access is not standardised across organisations



1st Step: Standardise the Information Models

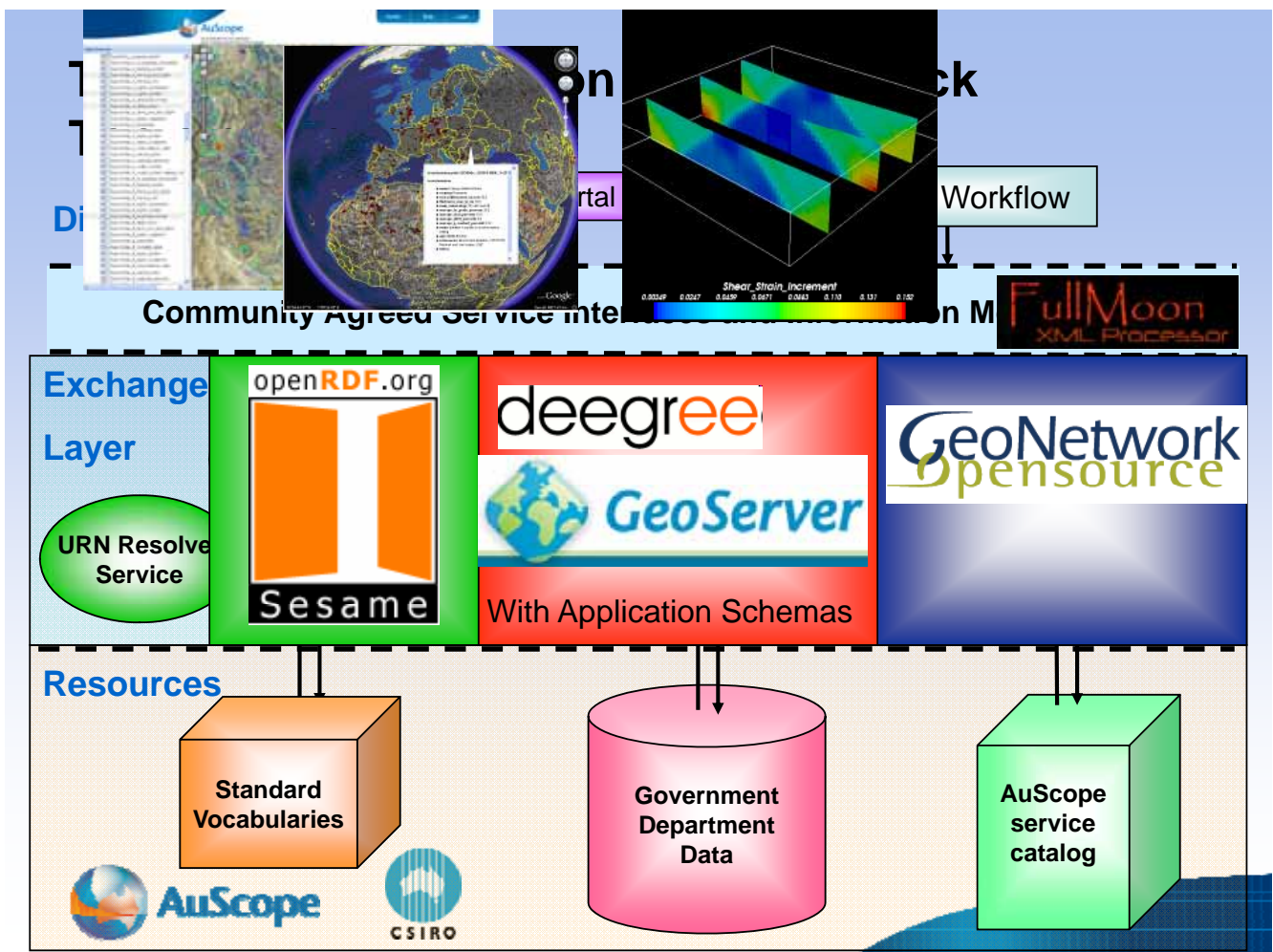
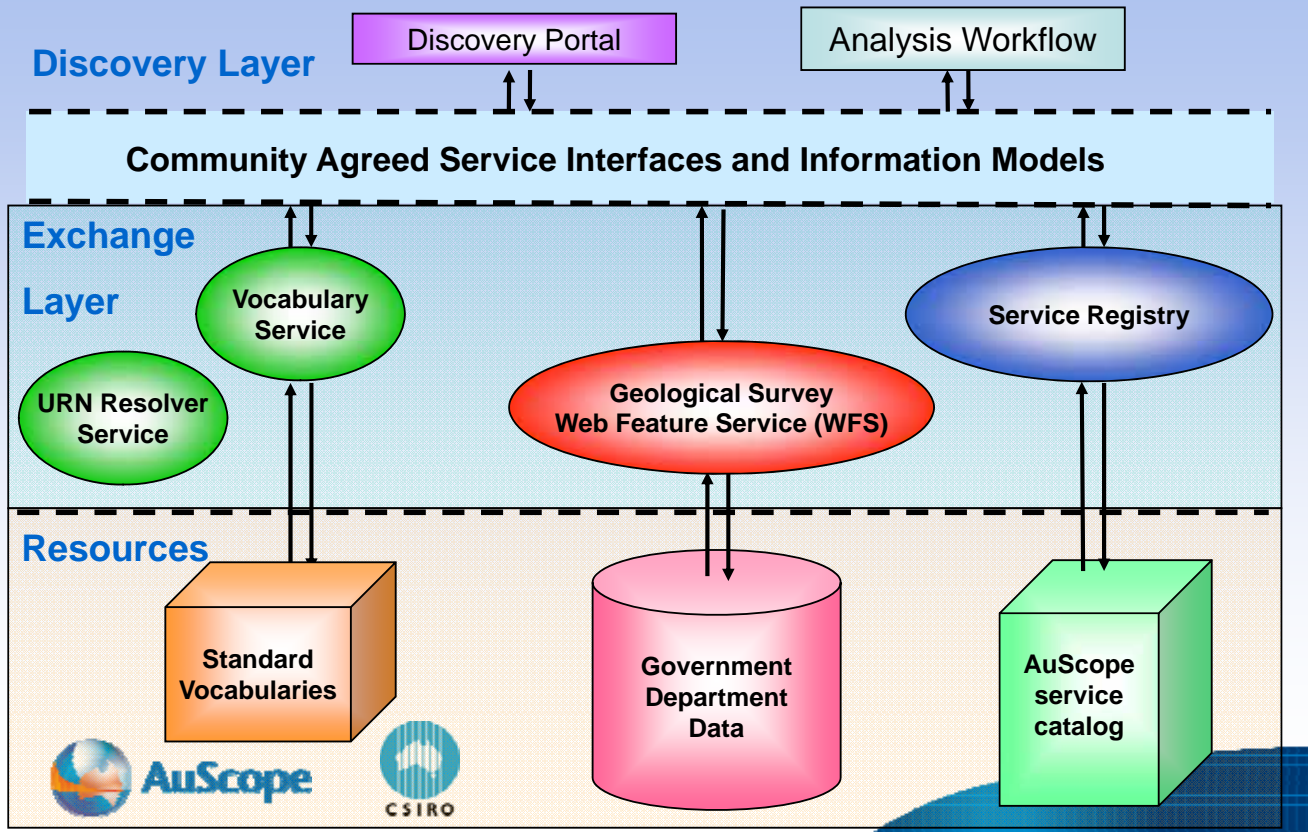
- Not a storage problem...
 - Exchange
- Semantics and structure
 - GeosciML, OGC
- Tool support
 - Creation and validation



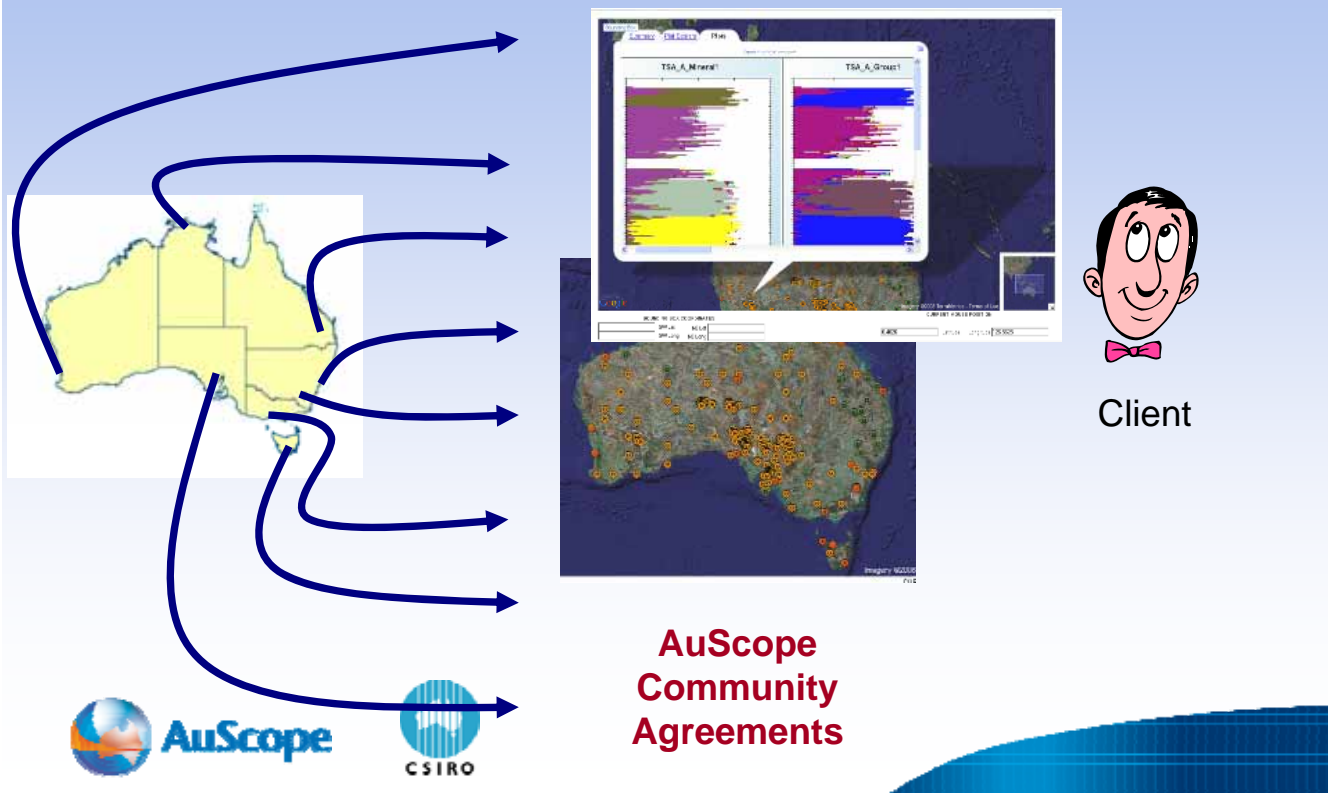
Geography Markup Language



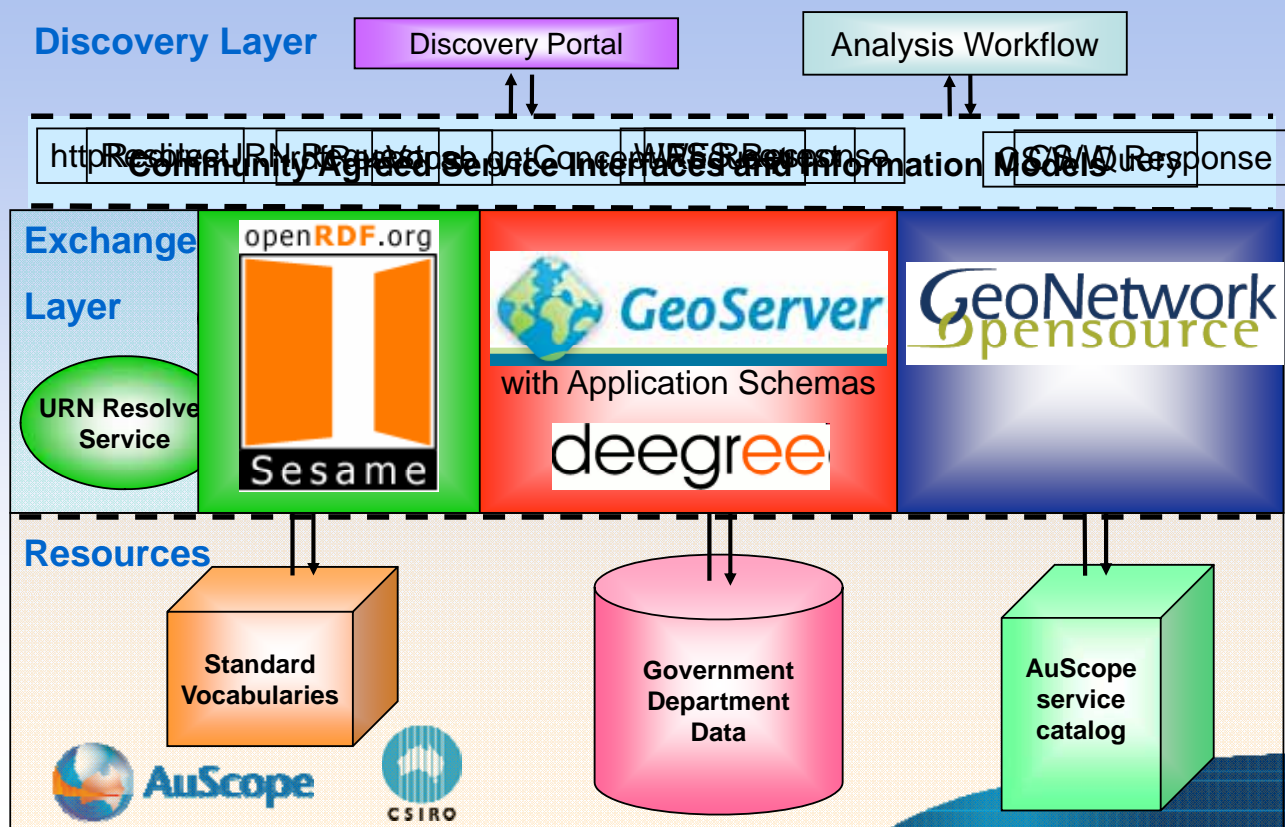
The Service Architecture



A solution: Open standards based earth science information infrastructure



Example: Earth Resource Delivery



Thank you and for more information:

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CSIRO Exploration and Mining

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